

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Maratha Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest - 880.31 ha. Forest - Nil
3	Minecode	38MSH08021
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/447/2011
5	Name of the lessee, Address, phone, email and fax number	Ambuja Cements Ltd. Village - Upparwahi, - 442908 Tahsil - Korpna, Distt- Chandrapur (Maharashtra). Phone - 07173-240015-20, rajivranjan.prasad@ambujacement.com Fax - 07173 - 240008, 9
6	Village	Upparwahi
7	Taluka/Mandal	Korpana
8	District	Chandrapur
9	Pincode	442 908
10	State	Maharashtra
11	Post office	Upparwahi
12	Nearest police station	Gadchandur
13	Nearest Railway station	Ballarsha
14	Date of Grant of Mining Lease	04.03.1999
15	Date of Execution	24.05.2000
16	Date of opening of Mine	17.07.2001
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Ajay Kapur MD & CEO Ambuja Cements Ltd Elegant Bussiness Park, MIDC Cross Road B, Off Andheri-Kurla Road, Andheri East Mumbai 022 – 40667000 ajay.kapur@ambujacement.com 022-40667711 01.08.2013
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. S. K. Paneri

		Ambuja Cements Ltd. (Unit - Maratha Cement Works) Village - Upparwahi, Tah - Korpana Distt - Chandrapur (Maharashtra) 07173-240015-20 sushil.paneri@ambujacement.com 07173-240008, 9 09.03.2016
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Tripurari Choudhary Ambuja Cements Ltd. (Unit - Maratha Cement Works) Village - Upparwahi, Tah - Korpana Distt - Chandrapur (Maharashtra) 07173-240015-20 tripurari.choudhary@ambujacement.com 07173-240008, 9 25.03.2015
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. R. R. Prasad General Manager (Mines) Ambuja Cements Ltd. (Unit - Maratha Cement Works) Village - Upparwahi, Tah – Korpana Distt - Chandrapur (Maharashtra) 07173-240015-20 rajivranjan.prasad@ambujacement.com 07173-240008, 9 25.03.2015
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	i. 25.03.1996 ii. 14.01.1999 (Modification) iii. 17.03.2005 (Modification)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	i. 05.07.2006 ii. 12.08.2011 iii. 02.09.2016
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMS data sheets and draft write up has been avoided.)

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	0	Area already explored.
1b	Exploration over lease area for Geological axis 1 or 2.	0	0	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	0	0	
1d	Balance area to be explored to bring Geological axis in 1 or 2	0	0	
1e	Balance reserves as on 01.04.20...	0	0	
1f	General remarks of inspecting officer on geology, exploration etc.	No proposal of exploration & area already explored		

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	250-242 North W40 –E60 & S330 – S260 242-234, W40 – E110 & S410 – S460 234-226, E450-E10 & S410-S390	250-242 W40-D60 & S330-S260 242-234, W0 – E180 & S370-S450 234-226, E250-E450 & S340-S290	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.162	1:0.30	
2d	Quantity of topsoil generation in m3	27979 M3	11208.16 M3	
2e	Quantity of overburden generation in m3	170500 M3	222008.35 M3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The benches in overburden are sufficiently advanced & not interfering with the mineral bench.		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	250-242 North W40 –E60 & S330 – S260 242-234, W40 – E110 & S410 – S460 234-226, E450-E10 & S410-S390	250-242 W40-D60 & S330-S260 242-234, W0 – E180 & S370-S450 234-226, E250-E450 & S340-S290	
3b	Quantity of ROM mineral production proposed	2105000 Tons	1469250 T	
3c	Recovery of salable/usable mineral from ROM production	-	-	

SN	Item	Proposals	Actual work	Remarks
3d	Quantity of mineral reject generation	0.341 Million Ton	0.444 Million Ton	
3e	Grade of mineral reject generation and threshold value declared	Cao <34	0.444 Million Ton	
3f	Quantity of sub-grade mineral generation	0.410 Million Ton	0.127 Million Ton	
3g	Grade of sub-grade mineral generation	34<Cao<42	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Yes	Yes	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 8 Mtr	Yes, 8 Mtr	
3m	Total area covered under excavation/pits	5.71 ha	5.10 ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.162	1:0.30	
3o	Total area put in use under different heads at the end of year	Not mentioned	17.30 ha.	
3p	Production of ROM mineral during last five-year period, as applicable	2015-16–2.105 MioT 2014-15–2.072 MioT 2013-14–2.172 MioT 2012-13–2.046 MioT 2011-12–2.085 MioT	2015-16 – 1469250 T 2014-15 – 1512100 T 2013-14 – 1599000 T 2012-13 – 1742700 T 2011-12 – 1951450 T	
3q	General remarks of inspecting officer on method of mining etc.	Actual production does not exceed the proposed production.		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Separate dumping of topsoil, OB & mineral reject done	
4b	Location of topsoil, OB & mineral reject dumps	TS E1000-E1250 S1050-S1300 E1400-E1650 E5500-E5800 WD E1650-E1950 S1500-S1850 SG E1400-E1550 S400-S550 E1800-E2050 S1700-S1950	TS E1000-E1250 S1050-S1300 E1400-E1650 E5500-E5800 WD E1650-E1950 S1500-S1850 SG E1400-E1550 S400-S550 E1800-E2050 S1700-S1950	
4c	Number of dumps within lease area and outside lease area	Not Mentioned	6	
4d	Location of dumps w.r.t. ultimate pit	TS E1000-E1250	TS E1000-E1250	

		E1400-E1650 E5500-E5800	E1400-E1650 E5500-E5800	
		WD E1650-E1950 S1500-S1850	WD E1650-E1950 S1500-S1850	
		SG E1400-E1550 S400-S550 E1800-E2050 S1700-S1950	SG E1400-E1550 S400-S550 E1800-E2050 S1700-S1950	
4e	Number of active & alive dumps	Nil	04	
4f	Number of dead dumps	Nil	01	
4g	Number of dumps stabilized	Nil	01	
4h	Whether Retaining wall or garland drain all along dumps are there	400 M	Not Provided	
4i	Length of Retaining wall or garland drain all along dump	Nil	Not Provided	
4j	Number of settling ponds	Nil	02	
4k	Specific comments of inspecting officer on waste dump management	Garland drains & retaining wall all along the toe of the dump was not constructed as per the proposal.		

Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposals for backfilling.		

Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Yes	Yes	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants	2.00 ha.	Nil 0.40 ha. 1100 Nos 21477 Nos	

SN	Item	Proposals	Actual work	Remarks
	rehabilitation vi) Cost incurred on watch & care during the year		Rs.81600/-	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NIL	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Available	Complied with	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Less area covered for plantation as proposed.		

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Mechanical	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mineral below threshold value is stacked separately.		

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Done	
8b	Concurrent use or storage of topsoil	Yes	Done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	No	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Done	
8f	Baseline information on existence of plantation & additional plantation	2.00 ha.	0.40 ha.	
8g	Survival rate	Not Mentioned	82.68 %	

8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation done & dust suppressions control measure in place.		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto August 2016 A.R. submitted upto April 15 to March 2016	

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Correct	Provided	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Correct	Provided	
9d	Scrutiny of Annual return on afforestation	Correct	Provided	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Correct	Provided	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Correct	Provided	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Correct	Provided	
9i	Scrutiny of Annual return on fixed assets	Correct	Provided	
9k	Scrutiny of Annual return on mining machineries	Correct	Provided	

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

During the inspection violation of Rules 13(1), 21 & 28 were observed and the same has been communicated to the lessee vide letter no. MAH/CDN/LST-20/NGP Dt. 20.10.2016. Further the mine was inspected on 26.11.2016 by Shri. B L Gurjar, DCOM & in that inspection, violation of Rules 15(1),(2) & 46 were observed, checked & found complied.

(Name of inspecting officer with designation and date)